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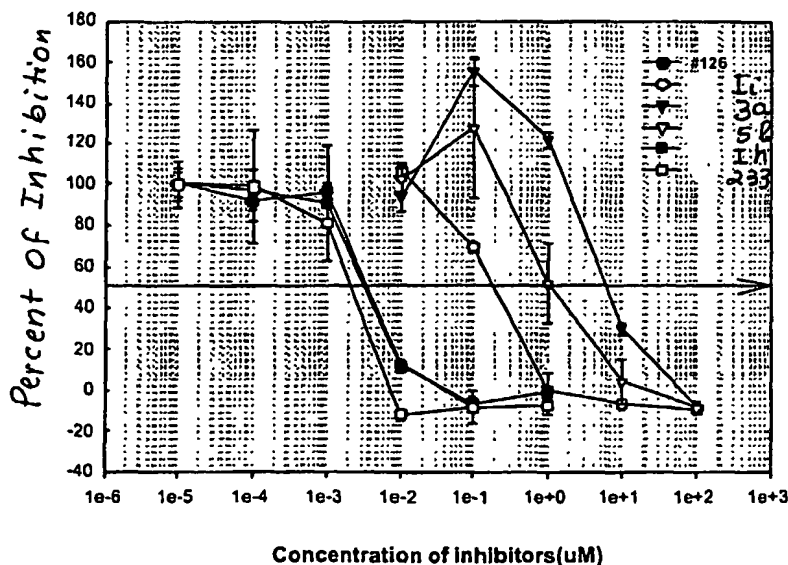
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- (71) Applicant (*for all designated States except US*): **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; 6011 Executive Boulevard, Suite 325, Rockville, MD 20852-3804 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **BURKE, Terrence, R., Jr.** [US/US]; 7400 Lakeview Drive, Bethesda, MD 20817 (US). **WEI, Chang-Qing** [CN/CA]; 290 Nelson Street, Apt #404, Ottawa, Ontario K1N 7S3 (CA). **VOIGT, Johannes, H.** [DE/US]; 525 Quinton Avenue, Kenilworth, NJ 07033 (US). **SHI, Zhen-Dan** [US/US]; 1418A Taney
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(54) Title: SH2 DOMAIN BINDING INHIBITORS



(57) Abstract: Disclosed are compounds for SH2 domain binding inhibition, for example, a compound of formula (I), wherein R<sub>1</sub> is a lipophile; R<sub>2</sub>, in combination with the phenyl ring, is a phenylphosphate mimic group or a protected phenylphosphate mimic group; R<sub>3</sub> is hydrogen, azido, amino, carboxyalkyl, alkoxycarbonylalkyl, aminocarbonylalkyl, or alkylcarbonylamino, wherein the alkyl portion of R<sub>3</sub> may be optionally substituted with a substituent selected from the group consisting of halo, hydroxy, carboxyl, amino, aminoalkyl, alkyl, alkoxy, and keto; R<sub>4</sub> is a linker; AA is an amino acid; and n is 1 to 6; or a salt thereof. The conformationally compounds provide enhanced binding affinity with SH2 domain protein. Also disclosed are a pharmaceutical compositions and a method for inhibiting an SH2 domain from binding with a phosphoprotein.